

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: TAKESHI FUJITA ET AL.

Rule 53(b) Divisional of
Serial No.09/563,454

Prior Group Art Unit 1653

Filed: May 3, 2000

Prior Examiner: J. Taylor

Title: DNA ANALYZING METHOD AND DEVICE THEREFOR

PRELIMINARY AMENDMENT

Box Non-Fee Amendment
Commissioner for Patents
Washington, D.C. 20231

June 6, 2001

Sir:

Please enter the following amendments to the
Specification and Claims prior to the examination of this
divisional application.

IN THE SPECIFICATION:

Please amend the specification as follows:

(A copy of the marked-up version of the specification as
amended is attached to this Amendment).

Page 1, line 1, change as follows:

DNA ANALYZING METHOD

IN THE CLAIMS:

Please cancel claims 47-49, and 60 and 61 without
prejudice or disclaimer.

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Please amend Claim 59 as follows:

(A copy of the marked-up version of amended claim 59 is attached to this Amendment.

59. (Amended) The DNA analyzing method of claim 50, wherein the comparison of the measured melting curve data of the sample single-stranded DNA fragment with the known melting curve data comprises,

comparing the measured melting curve data of the sample single-stranded DNA fragment with a linear combination of the known melting curve data each preliminarily fitted by a superposition of given functions, and

determining that a known melting curve data set with a least statistical error is defined as the sequence information of the sample single-stranded DNA fragment.

REMARKS

Entry of the amendments to the specification, and claims before examination of the application is respectfully requested.

Respectfully submitted,



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JFM:cdh

VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE SPECIFICATION:

Please amend the specification as follows:

Page 1, line 1 change as follows:

DNA ANALYZING METHOD [AND DEVICE THEREFOR]

IN THE CLAIMS:

Please cancel claims 47-49, and 60-61.

Please amend claim 59 as follows:

59. (Amended) The DNA analyzing [method according to Claim 50] method of claim 50,

wherein the comparison of the measured melting curve data of the sample single-stranded DNA fragment with the known melting curve data comprises,

comparing the measured melting curve data of the sample single-stranded DNA fragment with a linear combination of the

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known melting curve data each preliminarily fitted by a superposition of given functions, and

determining that a known melting curve data set with a least statistical error is defined as the sequence information of the sample single-stranded DNA fragment.

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